

Notice of Allowability

Application No.

09/699,947

Examiner

Tuan V. Thai

Applicant(s)

KELLY ET AL.

Art Unit

2186

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to RCE filed 08/13/2007.
2. ☒ The allowed claim(s) is/are 1-3, 5, 18 and 20 renumbered as 1-6 respectively.
3. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some* c) ☐ None of the:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

* Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
- (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
- 1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.
- (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

1. ☐ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3. ☒ Information Disclosure Statements (PTO/SB/08),
Paper No./Mail Date 08/08/2007
4. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material

5. ☐ Notice of Informal Patent Application
6. ☐ Interview Summary (PTO-413),
Paper No./Mail Date _____
7. ☐ Examiner's Amendment/Comment
8. ☒ Examiner's Statement of Reasons for Allowance
9. ☐ Other _____

TUAN V. THAI
PRIMARY EXAMINER

Application/Control Number: 09/699,947

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Attorney's Docket No.: TRANS04D

**IN THE UNITED STATES PATENT AND
TRADEMARK OFFICE**

In re application of: Kelly et al.

Group: 2186

Serial No.: 09/699,947

Examiner: Tuan Thai

**For: *TRANSLATED MEMORY PROTECTION APPARATUS FOR AN ADVANCED
MICROPROCESSOR.***

1. A request for continued examination under 37 CFR 1.114, including the fee set forth in 37 CFR 1.17(e), was filed in this application has been considered. Applicant's submission filed on August 08, 2007 has been entered. Claims 1-3, 5, 18 and 20 are now allowed. Claims 4, 6-17 and 19 have been canceled.

2. The information disclosure statement filed August 08, 2007 fails to comply with 37 CFR 1.98(a)(3) because it does not include a concise explanation of the relevance, as it is presently understood by the individual designated in 37 CFR 1.56(c) most knowledgeable about the content of the information, of each patent listed that is not in the English language. There are no translation or explanation of relevance of foreign patent documents JP01100638, JP01255933, JP02213942, JP03255535, JP6266553, JP3269628, JP330022, JP4246728, JP5363820, JP6054048,

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JP3255535 and JP7505242. They have been noted and in the application file, but the information referred to therein has not been considered.

REASONS FOR ALLOWANCE

3. The following is an Examiner's Statement of Reasons for Allowance:

The discussion of the reasons for allowance shall be directed to claim 1 in which the Examiner shall designate as the primary invention in this application; however, the reasons for allowance will also apply to other indicated independent claims 7 and 18. The prior art of record does not teach or suggest, alone or in combination, **all** the limitations of the independent claims of the current invention (claims 1 and 18); particularly, the prior arts of record do not teach nor suggest a system for maintaining translation consistency in a computer which includes a host processor designed to execute instructions of a host instruction set and software for translating instructions from a target instruction set to instructions of the host instruction set comprising hardware means for providing an indication whether a first memory address to be written stores a target instruction which has been translated to at least one host instruction that is stored at a second memory address, the at least one host

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instruction for execution by the host processor, the hardware means comprises a look-aside buffer including a plurality of storage locations for virtual addresses and associated physical addresses, and a storage position in each storage location of the translation look aside buffer; and software means for responding to the indication and for assuring that the at least one host instruction will not be utilized once the first memory address has been written, in which the software means removes the at least one host instruction from the second memory address..

Claims 2-3, 5 and 20 further limit the allowable independent claims. These claims are therefore allowable for the same reason as set forth above.

Any comments considered necessary by Applicant must be submitted no later than the payment of the Issue Fee and, to avoid processing delays, should preferably accompany the Issue Fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

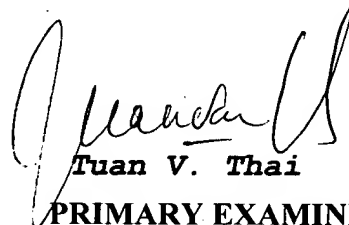
3. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Tuan V. Thai whose telephone number is (571)-272-4187. The examiner can normally be reached on from 6:30 A.M. to 4:00 P.M..

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Mathew M. Kim can be

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reached on (571)-272-4182. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300. Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

TVT/October 25, 2007


Tuan V. Thai
PRIMARY EXAMINER
Group 2100